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	see form F	PCT/ISA/220			TEN OPINION OF THE NAL SEARCHING AUTHORITY
				(F	PCT Rule 43 <i>bis</i> .1)
				Date of mailing (day/month/year) see	e form PCT/ISA/210 (second sheet)
	icant's or agent's file form PCT/ISA/22			FOR FURTHER A	
	national application NT/EP2004/010982		International filing date (a 30.09.2004	day/month/year)	Priority date (day/month/year) 03.10.2003
Inter	rnational Patent Class 0G45/08, B01J37	sification (IPC) or //02, B01J23/88	both national classification 3, B01J23/882, B01J2	and IPC 3/883, B01J23/888,	B01J23/94, B01J38/60, B01J38/62
	licant BEMARLE NETH	IERLANDS B.	V.		
<u> </u>					
1.	This opinion co	ntains indicati	ons relating to the foll	lowing items:	
	⊠ Box No. I	Basis of the o	oinion		
	☑ Box No. II	Priority			
	☐ Box No. III	Non-establish	ment of opinion with reg	ard to novelty, inventi-	ve step and industrial applicability
	☐ Box No. IV	Lack of unity of			
	⊠ Box No. V	applicability; c	itations and explanation	s.1(a)(i) with regard to s supporting such sta	novelty, inventive step or industrial tement
	☐ Box No. VI	Certain docun			
	☐ Box No. VII		s in the international ap		
	Box No. VIII	Certain obser	vations on the internatio	nal application	
2.	FURTHER ACT	ION			
	written opinion o	of the Internation ooses an Autho reau under Rule	nal Preliminary Examinir rity other than this one t	ng Authority ("IPEA"). I o be the IPEA and the	Il usually be considered to be a However, this does not apply where chosen IPEA has notifed the ational Searching Authority
	submit to the IP	EA a written repeated a contract of the contract of mailing	ilv together, where appr	opriate, with amendment or before the expiration	IPEA, the applicant is invited to ents, before the expiration of three of 22 months from the priority date,
	For further optic	ons, see Form P	CT/ISA/220.		3-10-70=3
3.	For further deta	ils, see notes to	Form PCT/ISA/220.		26
					3-24-2005

Name and mailing address of the ISA:



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

4. Additional comments:

International application No.

PCT/EP2004/010982

Mile William Control of min R 2006 Box No. I Basis of the opinion 1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following , which is the language of a translation furnished for the purposes of international search language (under Rules 12.3 and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material: a sequence listing □ table(s) related to the sequence listing b. format of material: in written format in computer readable form c. time of filing/furnishing: contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/010982

	Box	No. II	Priority			
۱.	\boxtimes	The fol	lowing document ha	s not beer	n furnished	:
		⋈	copy of the earlier a	application	whose pri	ority has been claimed (Rule 43bis.1 and 66.7(a)).
			translation of the ea	arlier appli	cation who	se priority has been claimed (Rule 43bis.1 and 66.7(b)).
		Conse	quently it has not be neless been establis	en possible	le to conside assumption	ler the validity of the priority claim. This opinion has on that the relevant date is the claimed priority date.
2.		has be	oinion has been esta en found invalid (Ru ate indicated above	iles 43bis.	1 and 64.1	ity had been claimed due to the fact that the priority claim). Thus for the purposes of this opinion, the international ne relevant date.
3.		was no	nt available to the IS	A at the tir	ne that the	of the priority claim because a copy of the priority docum search was conducted (Rule 17.1). This opinion has on that the relevant date is the claimed priority date.
4	Add		observations, if nece			
٠.	, ,	antion ar c	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,		
	Bo	x No. V	Reasoned state	ment und	er Rule 43	bis.1(a)(i) with regard to novelty, inventive step or
	ind	ustrial	Reasoned states applicability; citation	ment und ons and e	er Rule 43 explanation	bis.1(a)(i) with regard to novelty, inventive step or a supporting such statement
1.	ind	x No. V ustrial tement	Reasoned state applicability; citation	ment und ons and e	er Rule 43 explanation	bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement
1.	ind Sta	ustrial	applicability; citation	ons and e	explanation Claims	1-16,18
1.	ind Sta	ustrial tement	applicability; citation	ons and e	explanation	ns supporting such statement
1.	Sta Nov	ustrial tement velty (N)	applicability; citation	Yes: No:	cialms Claims Claims	1-16,18 17,19
1.	Sta Nov	ustrial tement velty (N)	applicability; citation	Yes: No:	explanation Claims	1-16,18
1.	Sta Nov	ustrial tement velty (N) entive s	applicability; citation	Yes: No: Yes:	Claims Claims Claims Claims Claims	1-16,18 1-16,18 17,19
1.	Sta Nov	ustrial tement velty (N) entive s	applicability; citation	Yes: No: Yes: No:	Claims Claims Claims Claims Claims	1-16,18 17,19 1-16,18 17,19
	Sta Nov Inv	tement velty (N) entive s	applicability; citation tep (IS) applicability (IA)	Yes: No: Yes: No: Yes:	Claims Claims Claims Claims Claims Claims Claims	1-16,18 17,19 1-16,18 17,19
	Star Nov	tement velty (N) entive sustrial a	applicability; citation tep (IS) applicability (IA) applicability (IA)	Yes: No: Yes: No: Yes:	Claims Claims Claims Claims Claims Claims Claims	1-16,18 17,19 1-16,18 17,19
	Star Nov	tement velty (N) entive sustrial a	applicability; citation tep (IS) applicability (IA)	Yes: No: Yes: No: Yes:	Claims Claims Claims Claims Claims Claims Claims	1-16,18 17,19 1-16,18 17,19

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

PCT/EP2004/010982

International application No.

IAP20 Residestation 31 MAR 2006

Re Item V.

- The following documents are referred to in this communication:
 D1: EP 0 601 722 A (SUMITOMO METAL MINING CO) 15 June 1994 (1994-06-15)
- 2 INDEPENDENT CLAIMS 17 AND 19
- 2.1 The document D1 discloses a hydrotreating catalyst comprising a Group VIB metal oxide and a Group VIII metal oxide, which catalyst additionally comprises an acid and an organic additive such as diethyleneglycol or other polyols (See Example 1 and §2 of p. 6 of D1).
- 2.2 The document D1 further discloses the use of this catalyst for hydrotreating a hydrocarbon feed after presulfidation (See Example 1 of D1).
- 2.3 The subject-matter of present independent claims 17 and 19 is therefore not new (Article 33(1) and (2) PCT).
- 3 INDEPENDENT CLAIM 1
- 3.1 Document D1, which is considered to represent the most relevant state of the art, discloses a process for preparing a hydrotreating catalyst comprising a Group VIB metal oxide and a Group VIII metal oxide, which catalyst additionally comprises an acid and an organic additive such as diethyleneglycol or other polyols (See Example 1 and §2 of p. 6 of D1).
 - From this, the subject-matter of independent claim 1 differs in that the catalyst comprising a Group VIB metal oxide and a Group VIII metal oxide is activated by contact with an acid and an organic additive in a further step.
- 3.1.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)

 The problem to be solved by the present invention may be regarded as how to optimize a catalyst system for the hydrotreating of hydrocarbons.
- 3.1.2 The solution to this problem proposed in claim 1 of the present application is

considered as involving an inventive step (Article 33(3) PCT) because no document of the prior art on file discloses the activation process nor gives a hint to its effect, as exemplified in example 8 of page 24 of present description.

3.1.3 Claims 2-15 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

4 INDEPENDENT CLAIM 16

- 4.1 Independent claim 16 discloses a catalyst obtained by a process that is novel and inventive. A similar reasoning as in point 3 above leads to the conclusion that this catalyst is novel and inventive.
- 4.2 Claim 18 is dependent on claim 16 and as such also meets the requirements of the PCT with respect to novelty and inventive step.

Re Item VIII.

Claim 19 mentions a catalyst according to claim 10, whereas the subject-matter of claim 10 is a process.

Claim 12 refers to "any of the preceding claims" but relates only to an organic acid, whereas claim 11 relates to an inorganic acid.